Indexes to A.S.M.E. Papers and Publications

THE following pages will serve as a guide to papers and publications of the A.S.M.E. during the calendar year 1934. The publications of the Society may be classified in two general groups, regular and special, and were as follows:

REGULAR SOCIETY PUBLICATIONS

Mechanical Engineering, monthly (see index on pages RI-69–77)
A.S.M.E. Transactions, monthly (see index on pages RI-79–85)
Student Branch Bulletin, published monthly, except June, July, August, and September
Mechanical Catalog, 1934–1935 edition

SPECIAL PUBLICATIONS

Life of Henry Laurence Gantt, by L. P. Alford (Trade Edition by Harper & Brothers)
Proceedings of the Fourth Conference of Technical Experts in the Printing Industries

Boiler Codes

Revisions and Addenda to Power Boiler Code, Locomotive Boiler Code, Low-Pressure Heating Boiler Code, Miniature Boiler Code, and Unfired Pressure Vessel Code, August, 1934
Unfired Pressure Vessel Code, Section VIII, A.S.M.E. Boiler Construction Code, December, 1934

Power Test Codes

Instruments and Apparatus
Part 6, Electrical Measurements, approved June, 1933, published March, 1934

Safety Codes

API-ASME Code for Unfired Pressure Vessels for Petroleum Liquids and Gases, September, 1934

Standards

Gear Materials and Blanks, approved July, 1933, published February, 1934

Papers Presented at A.S.M.E. Meetings, 1934

The complete technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages RI-69–77. A considerable number of papers and reports included in these programs were not published during the year in either Transactions or *Mechanical Engineering*, but were issued in mimeographed or photo-offset form. Complete sets of these are on file for reference purposes at the office of the Society and the Engineering Societies Library, under the title of "Miscellaneous Papers Presented at A.S.M.E. Meetings, 1934." Photostatic copies of any of the papers may be secured from the Library at regular rates. A list of these papers and reports follows.

Miscellaneous Papers Presented at A.S.M.E. Meetings, 1934

ADAMS, ROBERT C., JR., Results From the Change in the Navy's Method of Boiler-Water Treatment
ALDEN, C. R., The Ex-Cell-O Fuel Pump
ALLEN, EDMUND T., Tests With a Controllable Propeller
AMBROSIUS, EDGAR E., REED, JOHN C., AND IRVING, HENRY F., Study of the Flow of Water Through a Glass Pipe
ARNSTEIN, K., AND KLEMPERER, W., Aerodynamic Problems in Connection With Ground Handling and Docking
BAKHMETEFF, BORIS A., AND METZKE, ARTHUR, On Dynamical Similarity in Open Channel Flow, Particularly With Regard to the Hydraulic Jump
BAXLEY, C. H., AND LARSON, C. M. A Survey of Lubricants Used in the Cotton and Woolen Textile Industry
BEITLER, S. R., Determination of Discharge Coefficients of Sharp-Edge Orifices in Pipes of From One Inch to Fourteen Inches in Diameter
BLOUNT, EARLE E., Recent Aspects of Stressed Skin Construction
BONNALIE, A. F., Some Fundamentals of Domestic Airline Economics
BOWMAN, R. A., Investigation of Heat Transfer Rates on the External Surface of Baffled Tube Banks
BROBECK, W. M., Steam Power and Aircraft
BURRELL, B. S., Steel Mill Lubricating
CAMPBELL, O. F., Molal Combustion and Graphical Representation of Stack Losses in Burning Petroleum Fuels
CLARK, W. R., Lubricants Used in Copper and Brass Rolling Mills
CONNER, K. W.,* Cylinder Bore Characteristics and the Honing Process
DAUGHERTY, ROBERT L., Some Physical Properties of Water and Other Fluids
EATON, GEORGE C., Coal Charges for Banking, Lighting, and Burning Out Boiler Units
EDLEFSEN, N. E., Capillary Potential Theory of Flow in Soils
FREEDLANDER, A. L., Synthetic Resins as a Process Roller Material
FRIESS, G. A., New Development in Color Rotogravure Printing
FOOTE, F. D., Steel and Its Relation to the Railway Equipment Problem
FORD, LOUIS R., Future Prospects for the Large Motorship in the United States
GODRON, W. G. G.,* Wear of Piston Rings and Liners Influenced by Design of Rings
GOLDSMITH, L. M.,* Diesel Electric Pipe Line Pumping Stations
GROESBECK HARRY A., JR., The Photomechanics of Color Photography
HARSHMANN, J. B., Methods Used in Making Repairs on Heavy Duty Diesel Engines in Pipe Line Pumping Service
HELTZEL, WILLIAM G., Derivation of Equivalent Length Formulas for Multiple Parallel Oil Pipe Line Systems
HERMAN, FRED W., The Detail Design of Aircraft Parts and Accessories
HESS, SOL., From Design to Type—Processes in the Manufacture of Monotype Matrices
HETZEL, THEODORE B.,* The Minimum Regular Discharge of Jerk-Pump Fuel Injection Systems for Diesel Engines
HUEBNER, WILLIAM C., Photomechanical Reproduction on Offset Plates
HUNT, R. E., The Printing of Metal Paper
JACOBS, EASTMAN N., Recent Progress Concerning the Aerodynamics of Wing Sections
JOHNSON, S. P., A Survey of Flow Calculation Methods
JONES, WALTER R., Polar Analysis of Beam-Columns for Aircraft
KILLEFFER, D. H., Recovery of Carbon Dioxide From Flue Gas
KLEP, JOHN P., Air Gas Compressor Characteristics With Seven Leading Conclusions Drawn From Long Study
KNAPP, ROBERT T., Complete Characteristics of Centrifugal Pumps and Their Use in the Prediction of Transient Behavior
KNUDSEN, VERN O., Making the Airplane Quiet
LECONTE, JOSEPH N., Some Experiments and Calculations on the Resurge Phase of Water Hammer
LEDGETT, LOWELL A., Mixing of Fluid Streams
MCCARGAR, D. M., AND HAAS, OSCAR A., Economic Analysis Is Made of Direct Current Rotary Drilling Equipment and Steam Power
MCCARTHY, R. H., Economic Loading of Exhaust Fans
MCCORD, C. G., Radiography as a Tool in Aircraft Inspection
MCCULLOCH, CHARLES E., Design of Radiant Absorption Section Pipe Still Coils Fired With Oil or Gas Fuel With Air
MILLER, J. W., Airline Terminals
MILLINGER, W. A. F., Airplane Maintenance and Inspection—Military
MOCKMORE, C. A., AND MERRYFIELD, F., The Banki Turbine

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* Papers not included in the volume of miscellaneous papers, but published in the Proceedings of the Seventh National Meeting of the A.S.M.E. Oil and Gas Power Division, held at The Pennsylvania State College, June 20 to 23, 1934.

NEWCOMB, F. L., Retiring Thickness of Oil Refinery Equipment and Hazards Which Have an Important Bearing
NILES, ALFRED S., New Requirements, the Justification and Effect on Design
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PIGOTT, R. J. S., Nothing to Halt Development of Rotary Pump for Fields Occupied by Reciprocating Units
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SADRON, CHARLES L., AND ALCOCK, E. D., An Optical Method for Measuring the Distribution of Velocity
SAGE, BRUCE H., Studies of Some Physical and Thermal Properties of Hydrocarbon
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SCHRAMM, G. N., TAYLERSON, E. S., AND STUEBING, ALBERT F., New Alloy Steels and Their Application to Car Equipment
SCHROEDER, W. C., AND PARTRIDGE, EVERETT P., Effect of Solution Composition on the Failure of Highly Stressed Boiler Steel
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* Papers not included in the volume of miscellaneous papers, but published in the Proceedings of the Seventh National Meeting of the A.S.M.E. Oil and Gas Power Division, held at The Pennsylvania State College, June 20 to 23, 1934.

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